

**MARKED UP VERSION OF REWRITTEN CLAIMS**

3. (Amended) The radiological imaging apparatus according to claim 1 [or claim 2], further comprising a controller that instructs said X-ray source apparatus to radiate and stop radiating X-rays alternately and to radiate X-rays for a set time.

8. (Amended) The radiological imaging apparatus according to claim 6 [or claim 7], further comprising a tomographic image data creation apparatus that creates first tomographic image data of said test subject based on said first detection signal, creates second tomographic image data of said test subject based on said second detection signal and creates fused tomographic image data combining said first tomographic image data and said second tomographic image data.

34. (Amended) The radiological imaging apparatus according to claim 32 [or claim 33], wherein a collimator through which said X-rays pass is placed between said slit and said radiation detectors and said radiation detectors area placed around said collimator.